

Amendment to the Claims:

This listing of claims 1-36 will replace all prior versions, and listing of claims in the application.

Listing of Claims

1. (Currently Amended) A communications system for mobile radio telephony comprising mobile devices, ~~comprising modules which can be inserted into the mobile devices;~~ the system comprising:

a plurality of mobile devices operable within a total territory of the communication system, the total territory being divided into a plurality of location areas,

each mobile device comprising a module configured for insertion into the mobile device, the module facilitating unambiguous identification of the mobile device within the communications system,

each mobile device being associated with at least one subscriber territory being fixed inside the total territory covered by the communications system,

wherein the at least one subscriber territory includes at least a portion of at least one location area from among the plurality of location areas and within which subscriber territory communication takes place from and/or to the mobile devices under special conditions,

wherein each mobile device is configured to determine whether it is located inside the at least one subscriber territory via determination means arranged on the module or via a remotely accessible determination unit comprising means by which it can be determined whether the mobile device is located inside the subscriber territory; characterized in that the means are arranged on the module or in a determination unit which can be accessed by means of remote polling.

2. (Original) A communications system in accordance with claim 1, wherein the module is the subscriber identification module (*SIM*).
3. (Previously Presented) A communications system in accordance with claim 1, wherein location areas in which one or more radio cells are located are arranged in the total territory covered by the communications system.
4. (Original) A communications system in accordance with claim 1, wherein location areas and/or the radio cells have identity data characterizing them.
5. (Original) A communications system in accordance with claim 4, wherein the identity data include identifiers and coordinates.
6. (Currently Amended) A communications system in accordance with claim 4 further comprising means for transmitting ~~wherein means are provided in the communications system by means of which~~ the identity data of the location areas and/or of the radio cells ~~can be transmitted to the mobile devices.~~
7. (Previously Presented) A communications system in accordance with claim 1, wherein an interface is provided in the mobile devices by means of which the identity data can be transmitted to the module.
8. (Previously Presented) A communications system in accordance with claim 1, wherein means are provided in the module and/or in the determination unit of the communications system by means of which the identity data of the location area or radio cell in which the mobile device is located can be compared with data characterizing the subscriber territory.

9. (Original) A communications system in accordance with claim 8, wherein the data characterizing the subscriber territory include identifiers and coordinates of the locations areas and/or radio cells located in the subscriber territory.
10. (Previously Presented) A communications system in accordance with claim 8, wherein the data characterizing the subscriber territory are stored in the module and/or in the determination unit.
11. (Previously Presented) A communications system in accordance with claim 1, wherein the means by which it can be determined whether the mobile device is located inside the subscriber territory are designed such that it can be determined by them whether the coordinates of a location area or of a radio cell of the communications system are disposed in a region which is fixed by a location and the radius of a circle surrounding the location as a center.
12. (Original) A communications system in accordance with claim 11, wherein the coordinates of the location and the radius are stored in the module or in the determination unit.
13. (Currently Amended) A communications system in accordance with claim 11, wherein the identifiers of the location areas and/or of the radio cells unambiguously identify the corresponding ~~are designated such that they are in an unambiguous relationship with the~~ coordinates of the location area and/or of the radio cell to which they apply to facilitate a determination of the ~~so that the~~ coordinates can be determined from the identifiers.

14. (Previously Presented) A communications system in accordance with claim 13, wherein the identifiers of the location areas and/or of the radio cells are designated such that they are in an unambiguous relationship with the coordinates of the location area and/or of the radio cell so that the coordinates can be determined from the identifiers.

15. (Original) A communications system in accordance with claim 1, wherein means are provided in the module or in the determination unit by which the coordinates can be determined on the basis of the identifiers.

16. (Previously Presented) A communications system in accordance with claim 15, wherein the module and/or the determination unit has means by which it can be determined whether the identifier of a location area and/or of a radio cell coincides with a predetermined identifier of the location area and/or of the radio cell of the subscriber territory.

17. (Original) A communications system in accordance with claim 16, wherein the predetermined identifier is stored in the module or in the determination unit.

18. (Original) A communications system in accordance with claim 1, wherein the identifiers stored in the module or in the determination unit are at least partly stored in a form reducing the storage requirements.

19. (Currently Amended) A communications system in accordance with claim 1, wherein the system further comprises an interface ~~is provided~~ between the mobile device and the module to facilitate the transmission of a control signal indicating via ~~which the information~~ whether the mobile device is located in a subscriber territory ~~can be transmitted from the module to the mobile device in the form of a control signal.~~

20. (Currently Amended) A communication system in accordance with claim 1, the system configured to perform a method of operating a communications system for mobile radio telephony, the communication system being divided into a plurality of location areas, each location area including at least one radio cell, the method comprising:

assigning at least one subscriber territory to a mobile device, the subscriber territory being defined according to three parameters, a subscriber X-coordinate position, a subscriber Y-coordinate position and a subscriber radius R, the three parameters collectively defining a circular subscriber territory within a total territory of the communication system;

receiving an X-coordinate position and a Y-coordinate position of one of said location areas or radio cells within the communication system at the mobile device;

determining whether the received X-coordinate position and the received Y-coordinate position of one of said location areas or radio cells is disposed within the subscriber territory as defined by said subscriber X-coordinate position, said subscriber Y-coordinate position and said subscriber radius R; and

informing a subscriber of the mobile device that the subscriber is within the subscriber territory in the case where said determining step is true

~~mobile devices and comprising modules which can be inserted into the mobile devices, with at least one subscriber territory being fixed inside the total territory covered by the communications system inside which subscriber territory communication takes place from and/or to the mobile devices under special conditions, and with a determination taking place whether the mobile device is located in the subscriber territory, characterized in that the determination takes place by means of the module or by means of a determination unit which is accessed by means of remote polling.~~

21. (canceled).

22. (Previously Presented) A method in accordance with claim 20, wherein the examination whether the coordinates of a location area and/or of a radio cell are disposed in a region which is fixed by a location and the radius of a circle surrounding the location as a center takes place by means of the module and/or of the determination unit.

23. (Previously Presented) A method in accordance with claim 1, wherein an examination whether the identifier of a location area or of a radio cell coincides with a predetermined identifier of a location area or of a radio cell takes place by means of the module and/or of the determination unit.

24. (Currently Amended) A method in accordance with claim 22, wherein ~~the examination whether the identifier of a location area or radio cell coincides with a predetermined identifier first in accordance with claim 23~~ takes place prior to the examination in accordance with claim 22.

25. (Currently Amended) A method in accordance with claim 20, wherein the location and the radius of the region ~~in accordance with claim 22~~ and/or the predetermined identifiers ~~in accordance with claim 23~~ are stored in the module and/or in the determination unit.

26. (Original) A method in accordance with claim 25, wherein the predetermined identifiers are at least partly stored in a manner reducing the memory requirements in the module and/or in the determination unit.

27. (canceled).

28. (Previously Presented) A method in accordance with claim 20, wherein the identifier of the location area and/or of the radio cell and/or their coordinates are forwarded by a transmitter and receiver station to the mobile device and from this to the module.

29. (Original) A method in accordance with claim 28, wherein the data forwarded from the mobile device to the module are transmitted from this to the determination unit; and in that the determination unit--after an examination whether the mobile device is located in a subscriber territory--forwards the result to the mobile device and the latter to the module.

30. (New) The method according to claim 20, wherein the assigning step further comprises storing the three parameters within a memory of the mobile device.

31. (New) The method according to claim 20, wherein the assigning step further comprises storing the three parameters within a determination unit, remote from the mobile device.

32. (New) The method according to claim 20, wherein the determining step further comprises:

forwarding the X-coordinate position and Y-coordinate positions of
one of said location areas or radio cells within the communication
system from the mobile device to a determination unit; and
determining, at said determination unit, whether the mobile device is disposed
within the at least one subscriber territory based on a comparison of the
received X-coordinate position and Y-coordinate positions of one of
said location areas or radio cells.

33. (New) A method of operating a communications system for mobile radio telephony, the communication system being divided into a plurality of location areas, each location area including at least one radio cell, the method comprising:

assigning at least one predetermined identifier to a mobile device

defining at least one subscriber territory of the mobile device;

receiving, at the mobile device, an identifier of one of a location area or a radio cell within the communication system;

determining whether the predetermined identifier matches the received identifier; and

informing a subscriber of the mobile device that the subscriber is within the subscriber territory in the case where said determining step is true.

34. (New) The method according to claim 33, wherein the assigning step further comprises

storing the predetermined identifier within a module of the mobile device.

35. (New) The method according to claim 33, wherein the assigning step further comprises storing the predetermined identifier within a determination unit, remote from the mobile device.

36. (New) The method according to claim 33, wherein the determining step further comprises:

forwarding the received identifier from the mobile device to a determination unit;

determining, at said determination unit, whether the mobile device is disposed within the at least one subscriber territory based on a comparison of the received identifier with the predetermined identifier of the mobile device;

forwarding a determination result from the determination unit to the mobile device; and

informing a subscriber of the mobile device that the subscriber is within the subscriber territory in the case where said determination result is positive.